

Application No. 09/941,151  
Amendment and Response dated January 27, 2006  
RCE Filed Herewith

**Listing of Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-119 (canceled)

120.(new) A method of providing a custom orthodontic appliance for repositioning teeth of a patient, the method comprising:  
providing images of the teeth of the patient in suggested post-treatment tooth positions and orientations that are based on three-dimensional information of the shapes of the teeth of the patient;  
receiving feedback information on the suggested post-treatment positions and orientations from a person who has viewed a display of the provided images; and  
providing a custom orthodontic appliance configured to reposition teeth of the patient based on the suggested tooth positions and orientations in accordance with the feedback information.

121.(new) The method of claim 120 wherein:  
the person viewing the display of the images is an orthodontic practitioner; and  
the feedback information includes information of approval by the orthodontic practitioner of the suggested post-treatment tooth positions and orientations toward which the teeth of the patient are to be moved by the appliance.

122.(new) The method of claim 120 wherein:  
the feedback information includes information of a change in position or orientation of at least one tooth from the suggested post-treatment tooth positions and orientations toward which the at least one tooth of the patient is to be moved by the appliance.

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**123.(new)** The method of claim 122 further comprising:  
providing revised images of the teeth of the patient for redisplay in revised post-treatment  
tooth positions and orientations based on the suggested tooth positions and  
orientations as changed in accordance with the feedback information.

**124.(new)** A method of providing a custom orthodontic appliance for  
repositioning teeth of a patient, the method comprising:  
providing images of the teeth of the patient in suggested post-treatment tooth positions  
and orientations that are based on three-dimensional information of the shapes of  
the teeth of the patient;  
receiving feedback information on the suggested post-treatment positions and orientations  
from a person who has viewed a display of the provided images wherein the  
feedback information includes information selected from the group consisting  
essentially of:  
information approving at least some tooth positions and orientations  
toward which the teeth of the patient are to be moved by the  
appliance, and  
information changing at least one tooth position or orientation toward  
which the teeth of the patient are to be moved by the appliance; and  
providing a custom orthodontic appliance configured to reposition teeth of the patient  
based on the suggested tooth positions and orientations in accordance with the  
feedback information.

**125.(new)** The method of claim 124 further comprising:  
providing revised images of the teeth of the patient in revised post-treatment tooth  
positions and orientations based on the suggested tooth positions and orientations  
as changed in accordance with the feedback information.

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**126.(new)** The method of claim **125** further comprising:  
receiving from a person who has viewed a display of the provided revised images  
feedback information approving the revised tooth positions and orientations  
toward which the teeth of the patient are to be moved by the appliance.

**127.(new)** The method of claim **124** further comprising:  
providing the person viewing the display with a capability to enter the feedback  
information.

**128.(new)** The method of claim **124** wherein:  
the person viewing the display of the images is an orthodontic practitioner.